



IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Daryoosh Vakhshoori et al.
Serial No.: 10/800,206
Filing Date: 03/12/2004
Title: EXTENDED OPTICAL BANDWIDTH SEMICONDUCTOR
SOURCE
Group Art Unit: 2883
Examiner: Joanne H. Kim
Attorney's Docket No.: AHURA-5

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED
WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL,
POSTAGE PREPAID, IN AN ENVELOPE ADDRESSED TO: COMMISSIONER
FOR PATENTS, PO BOX 1450, ALEXANDRIA, VA 22313-1450, ON:

October 28, 2005

(DATE OF DEPOSIT)

Margaret M. Slezak

(NAME OF ATTORNEY)

Margaret M. Slezak

(SIGNATURE)

October 28, 2005

(DATE OF SIGNATURE)

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR 1.56, 1.97 and 1.98, Applicants hereby submit information which may be considered material to the examination of this application. This information is listed on the accompanying form.

Documents 1-7, which are listed on the accompanying form, PTO/SB/08A (substitute for Form PTO-1449) (two pages), have not been submitted since submission of copies of U.S. patents and U.S. patent applications is no longer required under 37 CFR 1.98.

Copies of documents 8-13, which are also listed on PTO/SB/08A (substitute for Form PTO-1449) (two pages), are enclosed herewith.

Applicants respectfully request that these documents be fully considered by the U.S. Patent and Trademark Office during the examination of this application and printed on any patent which may issue on this application. Applicants also respectfully request that a copy of PTO/SB/08A (substitute for Form PTO-1449) (two pages), submitted herewith, as considered and initialed by the Examiner, be returned to the undersigned with the next communication.

It is believed that this disclosure complies with the requirements of 37 CFR 1.56, 1.97 and 1.98. If for any reason the Examiner considers otherwise, it is respectfully

AHURA-5

11/01/2005 CNGUYEN 00000004 10800206 180.00 0P
01 FC:1806

requested that the undersigned be contacted by the Examiner by telephone in order that any deficiencies may be expeditiously remedied.

The enclosed documents may have markings thereon. Applicants are not presently aware of the source of those markings, and no significance is meant to be attached thereto.

A check in the amount of One Hundred Eighty Dollars (\$180.00) payable to the Commissioner of Patents and Trademarks also is enclosed herewith to cover the fee due in connection with this submission. Please charge any additional fees due in connection with this submission, or credit any overpayment, to Deposit Account No. 16-0221. A duplicate copy of this submission is enclosed for the convenience of the Examiner.

Thank you.

Respectfully submitted,

Margaret M. Slezak 10/28/2005

Margaret M. Slezak, Esq.
Reg. No. 55,625
Pandiscio & Pandiscio, P.C.
470 Totten Pond Road
Waltham, MA 02154
Tel. (617) 290-0060

JC/AHURA5.IDS

AHURA-5

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/800,206
Filing Date	03/12/2004
First Named Inventor	Daryoosh Vakhshoori et al.
Art Unit	2883
Examiner Name	Joanne H. Kim
Attorney Docket Number	AHURA-5

Sheet	1	of	2
-------	---	----	---

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND**

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

AHURA-5

JC/AHURA5.IDS1

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/800,206
		Filing Date	03/12/2004
		First Named Inventor	Daryoosh Vakhshoori et al.
		Art Unit	2883
		Examiner Name	Joanne H. Kim
Sheet 2	of 2	Attorney Docket Number	AHURA-5

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	8	YU, S.F., et al., Semiconductor Lasers Using Diffused Quantum-Well Structures, IEEE Journal of Selected Topics in Quantum Electronics, July/August 1998, 723-735, vol. 4, no. 4.	
	9	KIDORF H., et al., Pump Interactions in a 100-nm Bandwidth Raman Amplifier, IEEE Photonics Technology Letters, May 1999, 530-532, vol. 11, no. 5.	
	10	KOCH, F., et al., Broadband Raman Gain Characterisation in Various Optical Fibres, Electronics Letters, November 22, 2001, 1437-1439, vol. 37, no. 24.	
	11	AGRAWAL, G.P., Stimulated Raman Scattering, Nonlinear Fiber Optics, 1989, 218-262, Academic Press.	
	12	FLUDGER, C. R. S., et al., Pump to Signal RIN Transfer in Raman Fiber Amplifiers, Journal of Lightwave Technology, August 2001, 1140-1148, vol. 19, no. 8.	
	13	MATSUSHITA, S., et al., Design of Temperature Insensitive Depolarizer for Raman Pump Laser Diode, OSA Technical Digest, 2002, 181-183.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.